



Naval Air Systems Command
Program Management Competency (AIR 1.0)
Environmental Programs Department (AIR 1.6)



The PESHE Document Authoring Tool



Risk Likelihood	Risk Consequence			
	I Negligible	II Minor	III Moderate	IV Critical
E Near Certainty	Low Acceptable w/ Review	Serious Undesirable	High Not Acceptable	High Not Acceptable
D Highly Likely	Low Acceptable w/ Review	Medium Undesirable	Serious Undesirable	High Not Acceptable
C Likely	Low Acceptable w/ Review	Medium Undesirable	Medium Undesirable	Serious Undesirable
B Low Likelihood	Low Acceptable w/ Review	Low Acceptable w/ Review	Low Acceptable w/ Review	Medium Acceptable w/ Review
A Not Likely	Low Acceptable w/ Review	Low Acceptable w/ Review	Low Acceptable w/ Review	Low Acceptable w/ Review



*ESOH Coordinators Now Have Tool
to Create Quality Program Documents*

Environmental, Safety and Occupational Health (ESOH) Coordinators who help acquisition Program Managers identify, evaluate, and mitigate their programmatic ESOH risks now have the help of an automated tool to generate standard, high quality Programmatic Environmental, Safety and Health Evaluations (PESHE) for their programs major milestones. This tool is called PESHE DAT (for Document Authoring Tool) and is available through the Naval Air Systems Command's (NAVAIR) environmental web site.

NAVAIR's Program Management Competency's Environmental Programs Department (AIR 1.6) has assembled a cadre of seasoned ESOH Coordinators who help programs develop and update their PESHEs and meet Milestone Decision Authority (MDA) requirements per

Department of Defense Instruction 5000.2. To support this mission, AIR 1.6 provides oversight, training, tools, and guidance to support this team of ESOH Coordinators.

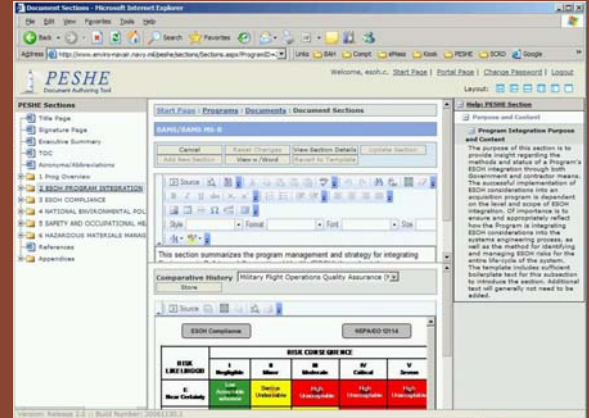
**AIR 1.6 has assembled a cadre
of seasoned ESOH Coordinators
who help program managers
identify & mitigate ESOH risks.**

AIR 1.6's mission is to provide efficient and cost effective environmental products and services to help NAVAIR Program Executive Offices (PEO) and Program Managers — Air (PMA) identify and mitigate ESOH risks. And PESHE DAT is just one of the many tools available to ESOH Coordinators.

The PESHE Document Authoring Tool



This login screen is the entry point into PESHE DAT. A username and password is required and can be obtained by contacting an AIR 1.6 representative.



A PESHE DAT user can select different sections of the document, edit the sections based on permissions, compare the section to the same section of a different PESHE document, or access general help or ESOH Coordinator guidance.

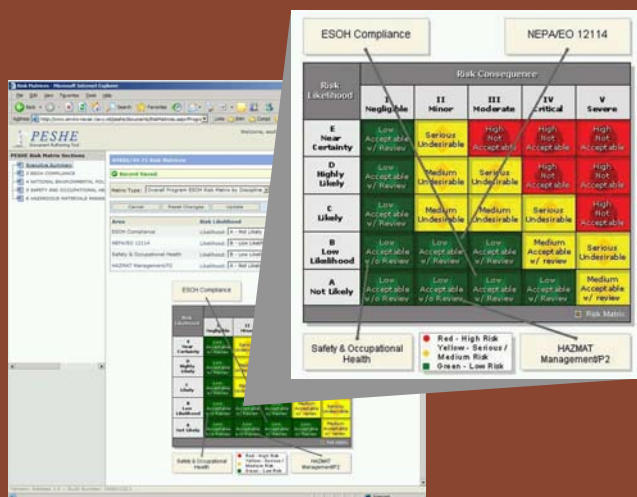
ESOH Coordinators

NAVAIR's ESOH Coordinators are subject matter experts on ESOH laws and regulations and provide ESOH planning support for the lifecycle management of acquisition programs throughout NAVAIR. An AIR 1.6 ESOH Working Integrated Product Team (WIPT) has been established to help PEOs and PMAs identify and address ESOH requirements across the acquisition systems lifecycle. The primary function of these ESOH Coordinators is to identify ESOH risks and establish planning and mitigation support for incorporation into the systems acquisition process. These ESOH risks are then addressed in the program's PESHE, National Environmental Protection Act (NEPA) compliance documentation, Hazardous Materials Management Plan, and Deactivation, Demilitarization & Disposal Plan. This promotes the use of sound ESOH management principles within the program's own acquisition strategies.

The ESOH WIPT provides PEOs and PMAs with the ability and expertise necessary to:

- 1 Identify ESOH risks, liabilities, constraints, and opportunities at various stages of the acquisition lifecycle, including mitigation measures and realistic snapshots of a program's risk status,
- 2 Understand their ESOH obligations as well as develop the support structure needed to meet those obligations,
- 3 Develop and revise ESOH documentation and integrate ESOH lifecycle costs into a program's total cost of ownership,
- 4 Interface with other organizations and agencies to resolve potential ESOH issues stemming from current and proposed actions, and
- 5 Influence the regulatory community in understanding their impact to programs.

An AIR 1.6 ESOH WIPT has been established to help PEOs & PMAs identify & address ESOH requirements across the acquisition systems lifecycle.



This screen allows the author to enter risk likelihood and consequence, then automatically creates this graphic. The template has a field code which will automatically insert this graphic into a MS Word or PDF document in the proper place.

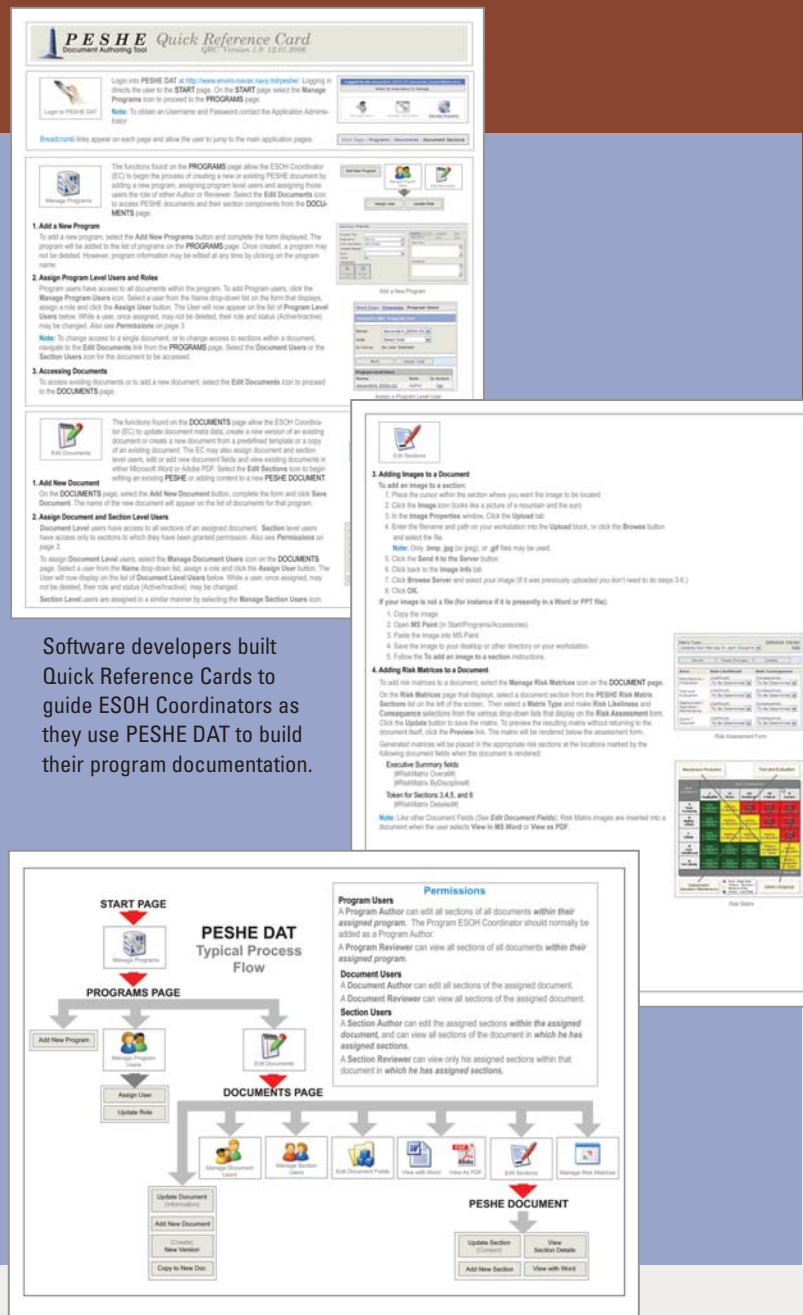
PESHE DAT

The PESHE requirements for an acquisition program are complex and it is difficult, at times, to address all areas of ESOH risk adequately.

PESHE DAT provides a consistent & comprehensive method to generate PESHEs for acquisition programs.

With this in mind, AIR 1.6 believed there was an opportunity to standardize the ESOH risk process, improve the consistency and quality of NAVAIR PESHE documents, reduce the amount of time required to complete a PESHE document, and support a collaborative process among ESOH Coordinators and Acquisition Program Managers.

AIR 1.6 developed PESHE DAT to enhance the efficiency and effectiveness with which ESOH Coordinators are able to generate PESHEs for their respective programs. This tool provides a consistent and comprehensive method to standardize the development of PESHE documents regardless of milestone or system type. PESHE DAT enables ESOH Coordinators to utilize help information, standard language, and examples to support documentation requirements. Future expansion of the functionality will also bring a standard repeatable process to the assessment of risk which will follow the fundamentals of risk management for acquisition programs.



How PESHE DAT Does What It Does

This tool offers an integrated best practices approach for ESOH risk management. Features of PESHE DAT include:

- 1 Standardized PESHE template including an ESOH risk assessment approach and matrix for identifying and planning for programmatic risks throughout the lifecycle.
- 2 Easy-to-use interface which allows for the development of multiple documents and addressing updated requirements within the acquisition management framework.
- 3 Collaborative environment for development of the PESHE amongst ESOH Coordinators and other subject matter experts assigned to specific roles within the program's environmental team.



U.S. Navy photo by Mass Communication Specialist 3rd Class Sarah West



U.S. Navy photo by Mass Communication Specialist 2nd Class Katie Earley

PESHE DAT was also used to construct a PESHE for the Marine Corps' V-22 Osprey — an advanced technology, vertical/short takeoff and landing multipurpose tactical aircraft.

- 4 Document configuration management from first to the final draft, signed version of the PESHE document, and version storage for a complete history of the development effort.
- 5 Interactive repository of ESOH guidance and PESHE documents developed within the tool which is easily accessible while writing and editing the PESHE.
- 6 Search capability to conduct comparative analyses among PESHE documents maintained in the knowledge base, thereby providing ESOH Coordinators with the ability to research the history of previous ESOH considerations on NAVAIR systems that may be relevant to current ESOH requirements.
- 7 Linkage to other AIR 1.6 applications to research and incorporate important ESOH data, such as ESOH regulatory issues, in support of identifying ESOH risks and developing risk management strategies for inclusion in various sections of the PESHE template.
- 8 Flexibility to insert additional PESHE related templates and guidance (such as different system commodities, other System Commands, NEPA, etc.).
- 9 A system administrator module to maintain and modify user access, PESHE templates, etc.
- 10 Up-to-date regulatory and statutory requirements integrated into templates to ensure compliance with the latest guidance from the Department of Defense, Secretary of the Navy, and elsewhere.



PESHEs Generated Using PESHE DAT

Already AIR 1.6 ESOH Coordinators have used PESHE DAT to generate standard, quality PESHEs for the following acquisition programs:

No.	Program	PMA
1.	Fire Scout Vertical Take-Off and Landing Tactical Unmanned Air System	263
2.	Broad Area Maritime Surveillance	263
3.	Automatic Carrier Landing System Life Cycle Extension Program	213
4.	Joint Mission Planning System	281
5.	Military Flight Operations Quality Assurance	209
6.	H-1 Huey Search and Rescue Helicopter (Upgrades)	276
7.	KC-130T Defensive Electronic Countermeasures	207
8.	V-22 Osprey Vertical/Short Takeoff and Landing Multipurpose Tactical Aircraft	275



U.S. Navy photo by Photographer's Mate Airman Zachary L. Borden

Use of AIR 1.6's ESOH Coordination capabilities & PESHE DAT provides a layer of confidence to NAVAIR Program Managers.

PESHE DAT enables ESOH Coordinators to ensure that consistent, comprehensive and affordable PESHEs are conducted for all NAVAIR acquisition programs.

The Benefits of Using AIR 1.6 Products & Services

Through the effective planning, management, tracking and monitoring of available resources, AIR 1.6 is institutionalizing sound environmental, safety and occupational health (ESOH) principles across NAVAIR and beyond. The benefits of these processes include:

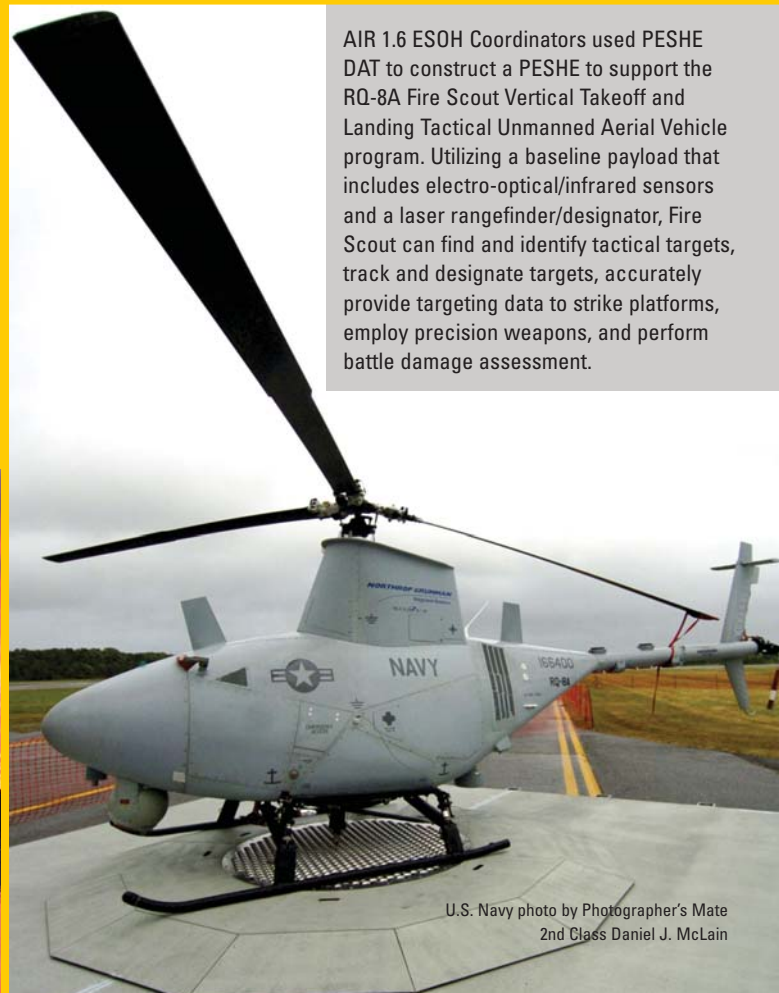
- a** Reducing environmental risks and liabilities,
- b** Achieving environmental benefits and cost savings,
- c** Improving industrial processes,
- d** Achieving program missions at a competitive advantage, and
- e** Maintaining environmental compliance.

To acquire any of the products or services offered by AIR 1.6, contact one of the representatives listed on the back page at least 12–18 months prior to any scheduled milestone review. AIR 1.6 is able to provide proposals and cost estimates for the products and services required and assign an ESOH Coordinators to support specific acquisition program needs.

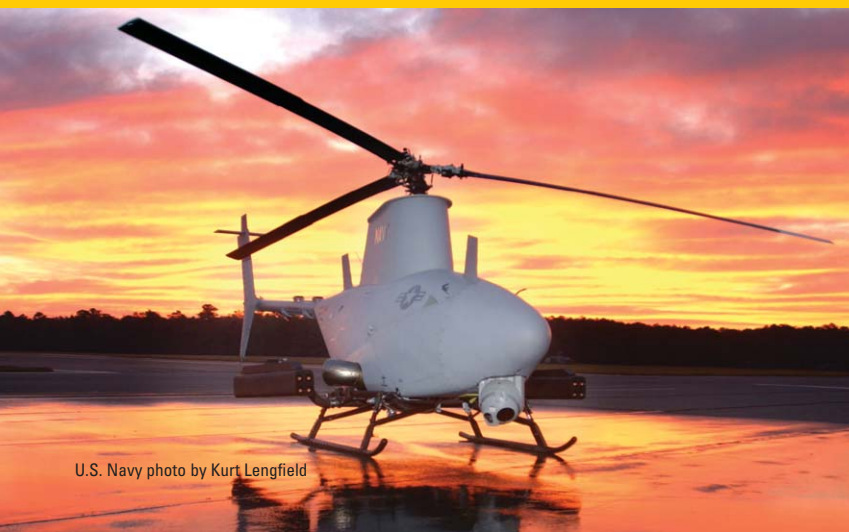
For more information on AIR 1.6 products and services, visit the NAVAIR environmental web site at www.enviro-navair.navy.mil or contact one of the AIR 1.6 representatives listed on the back page.



U.S. Navy photo by Kurt Lengfield



AIR 1.6 ESOH Coordinators used PESHE DAT to construct a PESHE to support the RQ-8A Fire Scout Vertical Takeoff and Landing Tactical Unmanned Aerial Vehicle program. Utilizing a baseline payload that includes electro-optical/infrared sensors and a laser rangefinder/designator, Fire Scout can find and identify tactical targets, track and designate targets, accurately provide targeting data to strike platforms, employ precision weapons, and perform battle damage assessment.



U.S. Navy photo by Kurt Lengfield

U.S. Navy photo by Photographer's Mate
2nd Class Daniel J. McLain



U.S. Navy photo by Journalist 2nd Class Zack Baddorf.



U.S. Marine Corps photo by Lance Cpl. James J. Vooris

PESHE DAT was used to build a PESHE for upgrades to the H-1 Huey search and rescue helicopter.

Summary

Program Managers are ultimately responsible for ESOH risk management within their programs. Use of AIR 1.6's ESOH coordination capabilities provides a layer of confidence to NAVAIR Program Managers that:

- 1 ESOH risks and solutions are comprehensively identified and mitigated,
- 2 Required documentation is streamlined, and
- 3 Available efficiencies are leveraged for their programs.

AIR 1.6 understands the many challenges PEOs and PMAs face in identifying and effectively managing ESOH risk for their acquisition programs. AIR 1.6 intends to foster the awareness of its acquisition ESOH products and services to PEOs and PMAs. This will ensure that ESOH risk management is successfully integrated into the NAVAIR system acquisition lifecycles and ESOH risks and liabilities are affordably reduced.

For insights into accessing PESHE DAT or for more information about other AIR 1.6 products and services, contact the AIR 1.6 representative listed below or visit the NAVAIR environmental website at www.enviro-navair.navy.mil. Consultants from Booz Allen Hamilton provided software development services for PESHE DAT.



U.S. Navy photo by Photographer's Mate 2nd Class Chris Stoltz

For more information about the NAVAIR environmental program, visit www.enviro-navair.navy.mil.

NAV AIR

www.enviro-navair.navy.mil

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